

CoE 197-S ME 8 Activity 4

1. Getting Started

```
PS C:\WINDOWS\system32> docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: bluenavigator
Password:
Login Succeeded
PS C:\WINDOWS\system32>
```

2. Finding images

```
PS C:\WINDOWS\system32> docker search kafka
NAME                                DESCRIPTION                                STARS    OFFICIAL    AUTOMATED
wurstmeister/kafka                 Multi-Broker Apache Kafka Image           1367     [OK]
spotify/kafka                      A simple docker image with both Kafka and Zo... 411      [OK]
bitnami/kafka                      Apache Kafka is a distributed streaming plat... 239      [OK]
sheepkiller/kafka-manager          kafka-manager                             204      [OK]
kafkamanager/kafka-manager         Docker image for Kafka manager             123
ches/kafka                         Apache Kafka. Tagged versions. JMX. Cluster-... 117      [OK]
hlebalbau/kafka-manager            CMAK (previous known as Kafka Manager) As Do... 82       [OK]
landoop/kafka-topics-ui            UI for viewing Kafka Topics config and data ... 36       [OK]
solsson/kafka                     http://kafka.apache.org/documentation.html#q... 22       [OK]
johnnypark/kafka-zookeeper         Kafka and Zookeeper combined image         22
debezium/kafka                    Kafka image required when running the Debezi... 21       [OK]
landoop/kafka-lenses-dev           Lenses with Kafka. +Connect +Generators +Con... 20       [OK]
danielqsj/kafka-exporter           Kafka exporter for Prometheus              19       [OK]
landoop/kafka-connect-ui           Web based UI for Kafka Connect.            17       [OK]
digitalwonderland/kafka           Latest Kafka - clusterable                15       [OK]
tchiotludo/kafkahq                Kafka GUI to view topics, topics data, consu... 6        [OK]
solsson/kafkacat                   https://github.com/edenhill/kafkacat/pull/110 5        [OK]
solsson/kafka-manager              Deprecated in favor of solsson/kafka:cmak     5        [OK]
solsson/kafka-prometheus-jmx-exporter For monitoring of Kubernetes Kafka clusters ... 4        [OK]
mesosphere/kafka-client            Kafka client                               3        [OK]
anchorfree/kafka                  Kafka broker and Zookeeper image           2
zenko/kafka-manager                Kafka Manger https://github.com/yahoo/kafka-... 2        [OK]
zenreach/kafka-connect             Zenreach's Kafka Connect Docker Image      2
dignity/kafka-magic                Kafka Magic images                         2
openwhisk/kafkaprovider            Apache OpenWhisk event provider service for ... 2        [OK]
PS C:\WINDOWS\system32> docker pull zenreach/kafka-connect
Using default tag: latest
latest: Pulling from zenreach/kafka-connect
aa18ad1a0d33: Pull complete
11759afc00d6: Pull complete
15fec261d461: Pull complete
8dde9a121e9c: Pull complete
fca57161619c: Pull complete
b16274feb0ac: Pull complete
99cd41a9b075: Pull complete
73f4e3740c37: Pull complete
cf3a37a1434e: Pull complete
5f882a7111dd: Pull complete
b428ce0eb8a7: Pull complete
997f0260e9fb: Pull complete
Digest: sha256:59e5dadab3e2f2ffaf2270d7ef49d3a609984af5bdfd46824b9e309f97c93bef
Status: Downloaded newer image for zenreach/kafka-connect:latest
docker.io/zenreach/kafka-connect:latest
PS C:\WINDOWS\system32> docker images
REPOSITORY              TAG          IMAGE ID      CREATED      SIZE
delner/ping             latest       11eab79dea2c  22 minutes ago  139MB
<none>                  <none>       9b2bb148d343  26 minutes ago  139MB
<none>                  <none>       2f26cfcde1ee  31 minutes ago  170MB
ubuntu                  16.04       9ff95a467e45  2 weeks ago   135MB
zenreach/kafka-connect  latest       69a927f84b0e  3 years ago   847MB
```

3. Tagging Images

```
PS C:\WINDOWS\system32> docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
delner/ping         latest          11eab79dea2c   23 minutes ago 139MB
<none>              <none>          9b2bb148d343   26 minutes ago 139MB
<none>              <none>          2f26cfcde1ee   32 minutes ago 170MB
ubuntu              16.04          9ff95a467e45   2 weeks ago    135MB
zenreach/kafka-connect latest          69a927f84b0e   3 years ago    847MB
PS C:\WINDOWS\system32> docker tag delner/ping bluenavigator/ping:1.0
PS C:\WINDOWS\system32> docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
bluenavigator/ping   1.0             11eab79dea2c   24 minutes ago 139MB
delner/ping          latest          11eab79dea2c   24 minutes ago 139MB
<none>              <none>          9b2bb148d343   28 minutes ago 139MB
<none>              <none>          2f26cfcde1ee   34 minutes ago 170MB
ubuntu              16.04          9ff95a467e45   2 weeks ago    135MB
zenreach/kafka-connect latest          69a927f84b0e   3 years ago    847MB
PS C:\WINDOWS\system32> docker rmi delner/ping
Untagged: delner/ping:latest
PS C:\WINDOWS\system32> docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
bluenavigator/ping   1.0             11eab79dea2c   25 minutes ago 139MB
<none>              <none>          9b2bb148d343   29 minutes ago 139MB
<none>              <none>          2f26cfcde1ee   34 minutes ago 170MB
ubuntu              16.04          9ff95a467e45   2 weeks ago    135MB
zenreach/kafka-connect latest          69a927f84b0e   3 years ago    847MB
```

4. Pushing Images

```
PS C:\WINDOWS\system32> docker push bluenavigator/ping:1.0
The push refers to repository [docker.io/bluenavigator/ping]
080bc3d8b42b: Pushed
cdc4d0cd3d15: Mounted from library/ubuntu
43d05a2c9517: Mounted from library/ubuntu
1902cf049561: Mounted from library/ubuntu
9fe04650404a: Mounted from library/ubuntu
1.0: digest: sha256:5cb52571b9d20bfff82c28fe4df1d7b4e87262c20f4690c988b89cda80249fe15 size: 1361
```



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bluenavigator/ping

By [bluenavigator](#) • Updated a few seconds ago

Container

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